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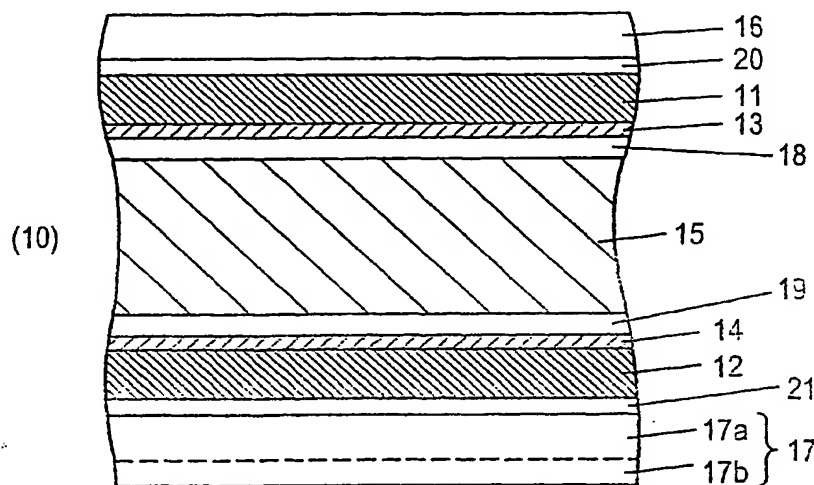
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(54) Title: PLASTIC GAS BARRIER PACKAGING LAMINATE



(57) Abstract: The invention relates to a gas barrier packaging laminate (10) having durability to stress crack formation and yet a bending stiffness and good integrity between the laminate layers, comprising outer layers of heat-sealable polyolefin (16, 17), two polymer carrier layers (11, 12) each being coated with a SiO_x gas barrier layer (13, 14), wherein the two polymer carrier layers with SiO_x layers are laminated to each other by means of an intermediate polymer layer (15), which includes a thermoplastic polymer having high elastomeric properties. The required stiffness of the packaging laminate is obtained by forming a structural sandwich construction with two stiff carrier layers separated by a relatively thick lower density intermediate layer. Preferably, the thickness of the intermediate polymer layer (15) constitutes from about 30 to about 55% of the total thickness of the packaging laminate (10). The invention also relates to a packaging container such as a pouch or similar manufactured from the packaging laminate and to a method of manufacturing of the packaging laminate.



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